查询C5405-50供应商

HAMAMATSU

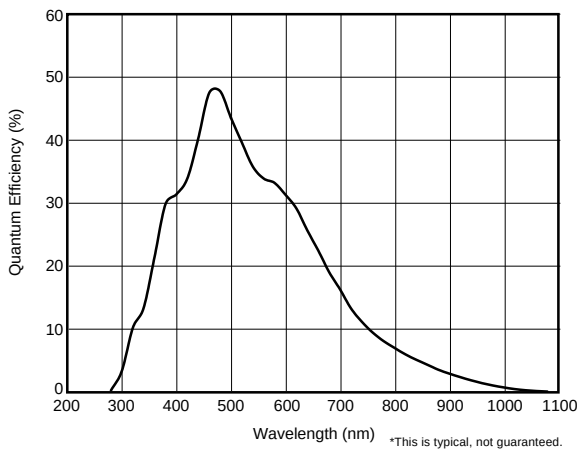
DATA SHEET

1/2-inch CCD Video Camera C5405-50/-51

▲ Shown with optional lens.

The C5405-50/-51 incorporates a next generation 1/2-inch CCD into a new compact B/W camera. Features of this model include high resolution, sensitivity, and S/N ratio. An electronic shutter function enables monitoring of moving objects.

[Spectral Response Characteristic]



*This is typical, not guaranteed.

FEATURES

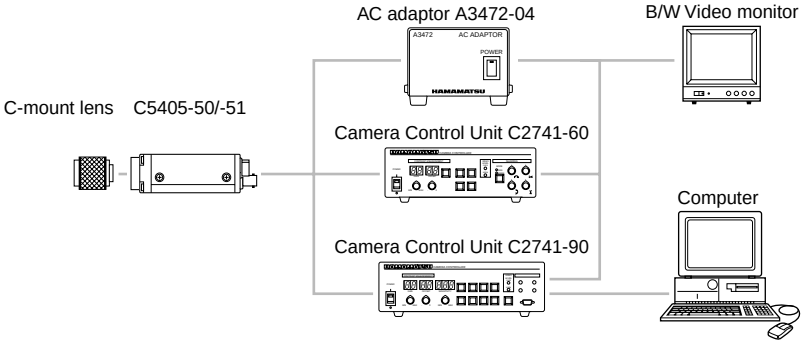
- **High Sensitivity**
- **High S/N Ratio**
  C5405-50 : 60 dB(EIA)
  C5405-51 : 58 dB(CCIR)
- **Small Readout Noise**
- **High Resolution**
  C5405-50 : 570(H) × 485(V) TV Line(EIA)
  C5405-51: 560(H) × 575(V) TV Line(CCIR)
- **On-chip Integration**
  A dedicated camera control unit enables images to be accumulated on the CCD chip with improved sensitivity.

SPECIFICATIONS

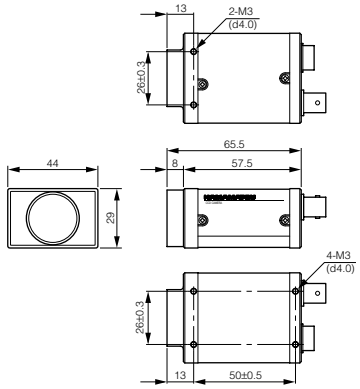
Type no.		C5405-50	C5405-51
Pickup device		1/2" Interline transfer CCD	
Scan type		Interrace scan	
Number of pixels	(H) × (V)	768 × 494	752 × 582
Cell size	(H × V) μm	8.4 × 9.8	8.6 × 8.3
Effective number of pixels		756 × 485	739 × 575
Resolution	(H × V) TV lines	570 × 485	560 × 575
Lens mount (F,B)		C-mount (17.526 mm)	
Sync system		EIA	CCIR
Internal sync		Yes	
External sync	HD/VD	Yes	
	SYNC	Yes	
	R.R.	Yes	
	Impedance	75 Ω (High)	
AGC		ON / OFF / Fixed	
Gamma		1 / 0.45	
Camera output		Video (HD / VD)	
Minimum sensitivity		0.3 lux, F1.4, (AGC = ON, γ = OFF)	
Power requirements		DC 12 V (12P)	
Power consumption		2.0 W	
Typical sensitivity		400 lux, F16 (2856 K)	
S/N ratio		60 dB	58 dB
Electronic shutter		Flickerless, 1/125 to 1/10,000 sec.	
On-chip integration		Yes	

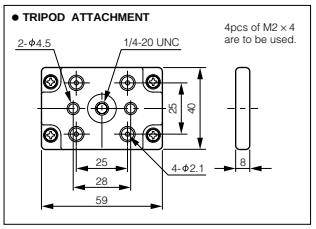
SYSTEM CONFIGURATION EXAMPLES

- The system can be configured to accommodate various applications, including image acquisition, image enhancement, image improvement, image measurement, and image filing.



DIMENSIONAL OUTLINES (UNIT: mm)





(Weight: approx. 110g)

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Homepage Address http://www.hamamatsu.com

HAMAMATSU PHOTONICS K.K., Systems Division
812 Joko-cho, Hamamatsu City, 431-3196, Japan, Telephone: (81)53-431-0124, Fax: (81)53-435-1574, E-mail:export@sys.hpk.co.jp

U.S.A. and Canada: Hamamatsu Photonic Systems: 360 Foothill Road, Bridgewater, N.J. 08807-0910, U.S.A., Telephone: (1)908-231-1116, Fax: (1)908-231-0852, E-mail: usa@hamamatsu.com
Germany: Hamamatsu Photonics Deutschland GmbH: Arzbergerstr. 10, D-82211 Herrsching am Ammersee, Germany, Telephone: (49)8152-375-0, Fax: (49)8152-2658, E-mail: info@hamamatsu.de
France: Hamamatsu Photonics France S.A.R.L.: 8, Rue du Saule Trapu, Parc du Moulin de Massy, 91882 Massy Cedex, France, Telephone: (33)1 69 53 71 00, Fax: (33)1 69 53 71 10, E-mail: infos@hamamatsu.fr
United Kingdom: Hamamatsu Photonics UK Limited: 2 Howard Court, 10 Tewin Road, Welwyn Garden City, Hertfordshire, AL7 1BW, U.K., Telephone: (44) 1707-294888, Fax: (44) 1707-325777, E-mail: info@hamamatsu.co.uk
North Europe: Hamamatsu Photonics Norden AB: Smidesvägen 12, SE-171-41 Solna, Sweden, Telephone: (46)8-509-031-00, Fax: (46)8-509-031-01, E-mail: info@hamamatsu.se
Italy: Hamamatsu Photonics Italia S.R.L.: Strada della Mois, 1/E 20020 Arese (Milano), Italy, Telephone: (39)02-935 81 733, Fax: (39)02-935 81 741, E-mail: info@hamamatsu.it

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